

Corrected
Notice of Allowability

Application No.

09/826,938

Examiner

Li B. Zhen

Applicant(s)

MIZUNO, ATSUSHI

Art Unit

2194

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to responses filed 05/05/2006 and interview on 9/12/2007.
2. ☒ The allowed claim(s) is/are 1-7,9,10 and 12-19, now renumbered as claims 1-17.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 20070912.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

WILLIAM THOMSON
SUPERVISORY PATENT EXAMINER

DETAILED ACTION

1. Claims 1 – 7, 9, 10 and 12 – 19 are pending in the application.

Continued Examination Under 37 CFR 1.114

2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on March 13, 2006 has been entered.

EXAMINER'S AMENDMENT

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Edward A. Kmett on 12 September 2007.

The application has been amended as follows:

- a. Replace claims 1, 3, 7, 9 and 10 with the following:

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1. A job processing system comprising first and second information processors, and an output device, which communicate with each other via a network,

wherein said first information processor comprises:

a job issuing unit that transfers to said output device job data, including print data and attribute information that includes authentication information which is used to start outputting the print data; and

a notifying unit that notifies said second information processor of the attribute information, including the authentication information, for the job data transferred to said output device by said job issuing unit of said first information processor and identification information for identifying said output device to which the attribute information that includes the authentication information is to be sent,

wherein said second information processor comprises:

a sending unit that sends the attribute information that includes the authentication information notified to the second information processor by said notifying unit of the first information processor to said output device identified by the notified identification information in response to a user's instruction without the user entering the attribute information that includes the authentication information and identification information, and

wherein said output device comprises:

a storage unit that stores the job data which is transferred to said output device by said job issuing unit; and

a control unit that outputs print data stored in said storage unit if the authentication information included in the attribute information sent to said output device by said sending unit of the second information processor corresponds to the authentication information included in the attribute information stored in said storage unit.

3. The system according to claim 2, wherein said second information processor further comprises an informing unit which, when said notifying unit notifies the job issue, informs the user of the notification, and

said sending unit sends the attribute information that includes the authentication information for the job data when a predetermined operation is performed.

7. A control method of a job processing system comprising first and second information processors, and an output device, which communicate with each other via a network,

wherein said first information processor performs:

a job issuing step of transferring to said output device job data, including print data and attribute information that includes authentication information which is used to start outputting the print data; and

a notifying step of notifying said second information processor of the attribute information that includes the authentication information for the job data transferred to said output device by said job issuing step of said first information processor and

identification information for identifying said output device to which the attribute information that includes the authentication information is to be sent,

wherein said second information processor performs:

a sending step of sending the attribute information which includes the authentication information notified to the second information processor by said notifying step of the first information processor to said output device identified by the notified identification information in response to a user's instruction without the user entering the attribute information that includes the authentication information and identification information, and

wherein said output device performs:

a storage step of storing the job data which is transferred to the output device by the job issuing step; and

a control step of outputting print data stored in the storage step if the authentication information included in the attribute information sent to the output device in the sending step by the second information processor corresponds to the authentication information included in the attribute information stored in said storage step.

9. A network system comprising:

first and second information processors provided on a network,
said first information processor comprising:

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a job issuing unit constructed to convert information to be output, transferred from high-order processing, into data suited to an output device, and to transfer to said output device job data, including the converted data and attribute information that includes authentication information attached thereto which is used to start outputting the converted data; and

a notifying unit constructed to notify said second information processor of the attribute information that includes the authentication information for the job data transferred to said output device by said job issuing unit of said first information processor and identification information for identifying said output device to which the attribute information that includes the authentication information is to be sent, and

said second information processor comprising:

a sending unit constructed to send the attribute information that includes the authentication information notified to the second information processor by said notifying unit of the first information processor to said output device identified by the notified identification information, in response to a user's instruction without the user entering the attribute information that includes the authentication information and identification information,

wherein said output device starts processing for the job data if the authentication information included in the attribute information sent to the output device by the sending unit of the second information processor matches the authentication information included in the attribute information included in the job data sent to the output device by the first information processor.

10. A control method of a network system comprising an output device which stores externally received job data and starts processing for the job data when receiving authentication information included in attribute information matching authentication information included in attribute information of the stored job data, and first and second information processors,

wherein said first information processor performs:

a job issuing step of converting information to be output into data suited to said output device, and transferring to said output device job data, including the converted data and attribute information that includes authentication information attached thereto which is used to start outputting the converted data; and

a notifying step of notifying said second information processor of the attribute information that includes the authentication information for the job data transferred to said output device by said job issuing step of said first information processor and identification information for identifying said output device to which the attribute information that includes the authentication information is to be sent, and

wherein said second information processor comprises:

a sending step of sending the attribute information that includes the authentication information notified to the second information processor by the notifying step of the first information processor to said output device identified by the notified identification information, in response to a user's instruction without the user entering

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the attribute information that includes the authentication information and identification information.

REASONS FOR ALLOWANCE

4. The following is an examiner's statement of reasons for allowance:

The prior art of record does not expressly teach or render obvious the invention a recited in independent claims 1, 7, 9, 10, 12 and 16.

The prior art discloses a job processing system [col. 2, lines 35 – 39 of Motegi] comprising job issuing unit to transfer to said output device job data including print data and attribute information which is used to start outputting the print data [col. 3, lines 38 – 57 of Motegi], a unit to send attribute information notified to the second information processor by the first information processor to said output device [col. 3, lines 28 – 39 of Motegi], and a storage unit to store received job data which includes print data and attribute information [col. 3, lines 15 – 19 of Motegi], a control unit to output print data stored in said storage unit if the attribute information send to said output device by said sending unit of the second information processor corresponds to the attribute information stored in said storage unit [col. 4, lines 1 – 22 of Motegi], a second information processor designating execution designation information including the attribute information to the output device [col. 9, lines 1 – 19 of Taniguchi], and identification information for identifying the output device to which the job data has been transferred [col. 4, lines 30 – 46 of Wiegley]. However, the prior art does not disclose sending attribute information including authentication information notified to the second

information processor by the first information processor to the output device identified by the notified identification information in response to a user's instruction without the user entering the attribute information that includes authentication information and identification information. Support for these features can be located on p. 26, lines 3 – 8 and 15 – 23 of applicant's specification. For example, in step S1302, attribute information including authentication information is acquired from the received job issue notification and not entered by the user. In step S1402, the acquired information is used to form job execution designation command data and the job execution designation command data is transmitted to the printing device in step S1403.

In addition, it is not believed to have been within the level of one of ordinary skill in the art at the time of the invention to modify the job processing system of the prior art to incorporate the features sending attribute information notified to the second information processor by the first information processor to the output device identified by the notified identification information in response to a user's instruction without the user entering the attribute information and identification information as recited in the context of independent claims 1, 7, 9, 10, 12 and 16.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

CONTACT INFORMATION

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5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Li B. Zhen whose telephone number is (571) 272-3768.

The examiner can normally be reached on Mon - Fri, 8:30am - 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Thomson can be reached on 571-272-3718. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Li B. Zhen
Examiner
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LBZ


WILLIAM THOMSON
SENIOR PATENT EXAMINER